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# NOTICE OF ALLOWANCE AND FEE(S) DUE

24737 7590 06/03/2009

PHILIPS INTELLECTUAL PROPERTY & STANDARDS P.O. BOX 3001

BRIARCLIFF MANOR, NY 10510

EXAMINER PAUL, DISLER

PAPER NUMBER ARTHNIT

2614 DATE MAILED: 06/03/2009

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/519,051 12/22/2004 David Antoine Christian Roovers NL 020570 6804

TITLE OF INVENTION: STATIONARY SPECTRAL POWER DEPENDENT AUDIO ENHANCEMENT SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	09/03/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED.</u> THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

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If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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							(Depositor's name)
			_				(Signature)
			L				(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTC	DRNEY DOCKET NO.	CONFIRMATION NO.
10/519,051 TITLE OF INVENTION	12/22/2004 STATIONARY SPEC		David Antoine Christian Roovers NL 020570 680- NDENT AUDIO ENHANCEMENT SYSTEM			6804	
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nonprovisional	NO	\$1510	\$300	\$0	\$0 \$1810		09/03/2009
EXAM	INER	ART UNIT	CLASS-SUBCLASS				
PAUL, I	DISLER	2614	381-094200				
1. Change of correspondence address or indication of "Fee Address" (3: CFR 1.363).  Change of correspondence address (or Change of Correspondence Address form PTOSB/122) attached.  The Address Form PTOSB/122 attached.  Flee Address' indication (or "Fee Address" Indication form PTOSB/147; we 0.3-02) or more recent) attached. Use of a Caston Wandber is required.  Namber is required.			or agents OR, alternati (2) the name of a sing registered attorney or 2 registered patent atto listed, no name will be	ne of a single firm (having as a member a 2			
PLEASE NOTE: Uni recordation as set forti (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp GNEE	ified below, no assigne pletion of this form is N		natent. If an assign assignment. And STATE OR C	OUN"	IRY)	ocument has been filed for
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	s SMALL ENTITY state	as. See 37 CFR 1.27.	☐ b. Applicant is no lon				
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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.			
10/519,051	12/22/2004	David Antoine Christian Roovers	NL 020570 6804				
24737	24737 7590 06/03/2909			EXAMINER			
PHILIPS INTEI	LECTUAL PROPER	PAUL, DISLER					
P.O. BOX 3001		ART UNIT	PAPER NUMBER				
BRIARCLIFF MA	ANOR, NY 10510	2614					
		DATE MAILED: 06/03/2009					

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1007 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1007 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)			
	10/519.051	ROOVERS, DAVID ANTOINE CHRISTIAN Art Unit			
Notice of Allowability	Examiner				
	DISLER PAUL	2614			
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERRTS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	olication. If not includ- will be mailed in due	ed course. THIS		
<ol> <li>This communication is responsive to <u>3/2/09</u>.</li> </ol>					
2. The allowed claim(s) is/are <u>1-9</u> .					
	been received.		tion from the		
International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:		audiai dago appiloa			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the re-	quirements		
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			OTICE OF		
CORRECTED DRAWINGS (as "replacement sheets") mus  (a)   including changes required by the Notice of Draftspers  1)   hereto or 2)   to Paper No./Mail Date  (b)   including changes required by the attached Examiner' Paper No./Mail Date	son's Patent Drawing Review ( PTO-				
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			back) of		
DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			Note the		
Attachment(s)  1. ☑ Notice of References Cited (PTO-892)	5. ☐ Notice of Informal P	atent Application			
<ol> <li>Notice of Draftperson's Patent Drawing Review (PTO-946).</li> </ol>	6. ☐ Interview Summery (PTO=413),				
<ol> <li>Information Disclosure Statements (PTO/SB/08),</li> </ol>	Paper No./Mail Date 7. ⊠ Examiner's Amendment/Comment				
Paper No./Mail Date	8. X Examiner's Stateme	nt of Reasons for Allo	wance		
of Biological Material	9.  Other				

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### DETAILED ACTION

#### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes
and/or additions be unacceptable to applicant, an amendment may be filed as provided
by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be
submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with George Likouzeros on 5/4/09 and 5/20/09.

Re claim 1 line 6, delete "reference signal" and add/insert "reference signal x".

Re claim 8 line 9, delete "reference signal" and add/insert "reference signal x".

Re claim 8 line 1, After, "for" delete "example".

Re claim 8, line 2, delete "such as" and add/insert "including".

Re claim 9 line 2, after "processing said signal", add/insert "by a spectral processor".

# Allowable Subject Matter

2. Claims 1-9 are allowed.

Re claim 1, while, the prior art of record disclose of having an audio enhancement system, comprising a signal input for carrying a distorted desired signal, a reference signal input, and a spectral processor coupled to both signal inputs for processing the signal by means of a reference signal characterized in that the spectral processor is equipped for said processing such that a factor C' is determined, whereby

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Art Unit: 2614

said estimate is a function of C' times the spectral power of the reference signal, and the factor C' is determined as the spectral ratio between those components of the signals z and x, which are essentially stationary with time.

But, none of the art of record disclose of additionally having the reference signal x acting as an estimate for the distortion of the desired signal, wherein signal z includes both a desired signal and a noise signal, and signal x includes only the noise signal.

Similarly in regard to independent claims 8-9 have been analyzed and allowed for same reason.

#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DISLER PAUL whose telephone number is (571)270-1187. The examiner can normally be reached on 7:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chin Vivian can be reached on 571-272-7848. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/D. P./ Examiner, Art Unit 2614

/Vivian Chin/ Supervisory Patent Examiner, Art Unit 2614